

Anti-ZO-1/TJP1 Antibody (9S163)

Product Details

Reactivity:	Human
Molecular Weight:	Theoretical: 191 kDa.
Clone:	9S163
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in EDTA buffer (pH9.0) for 15 min; The section was incubated with ZO-1/TJP1 Monoclonal Antibody, Unconjugated (TMAB-14457) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human ZO-1 protein
Antigen Species:	Human
Gene ID:	7082
Uniprot ID:	Q07157

Research Background

This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family of proteins, and acts as a tight junction adaptor protein that also regulates adherens junctions. Tight junctions regulate the movement of ions and macromolecules between endothelial and epithelial cells. The multidomain structure of this scaffold protein, including a postsynaptic density 95/disc-large/zona occludens (PDZ) domain, a Src homology (SH3) domain, a guanylate kinase (GuK) domain and unique (U) motifs all help to co-ordinate binding of transmembrane proteins, cytosolic proteins, and F-actin, which are required for tight junction function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]

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